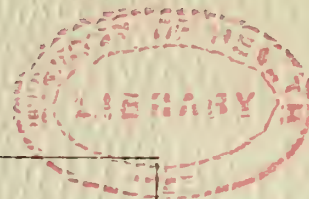


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Neath Rural District Council

ANNUAL REPORT

For 1942.



Medical Officer of Health



Neath Rural District Council

ANNUAL REPORT

For 1942.



Medical Officer of Health

Neath Rural District Council

<i>Chairman</i> -		Councillor C. R. KIMBER, J.P.	
<i>Vice-Chairman</i> -		Councillor W. P. JENKINS, J.P.	
Councillor	ARTHUR, DAVID.	Councillor	GRIFFITHS, W. R.
"	ATYEO, E. J.	"	HARRIS, W. P.
"	BARNARD, S.	"	JAMES, JOHN, J.P.
"	BOYLE, P.	"	JAMES, JOHN (<i>Crynant</i>).
"	DAVIES, MARY E.	"	JENKINS, DAVID.
"	DAVIES, WM.	"	JENKINS, MARY.
"	EVANS, J. T., J.P.	"	JOHN, ALBERT.
"	GEARY, R.	"	JONES, AMY, J.P.
"	GEORGE, J. S., J.P.	"	JONES, GEO., J.P.
		Councillor	JONES, WM., J.P.
		"	LUNN, J. J.
		"	NORMAN, R. G.
		"	PROTHEROE, C.
		"	SMITH, R. M.
		"	THOMAS, ALUN.
		"	THOMAS, GETHIN.
		"	VOWLES, A.
		"	WILLIAMS, DAVID.

PUBLIC HEALTH COMMITTEE.

<i>Chairman</i> -	Councillor C. PROTHEROE, J.P.
<i>Vice-Chairman</i> -	Councillor S. BARNARD.

All Members of the Council.

MATERNITY AND CHILD WELFARE COMMITTEE.

<i>Chairman</i> -	Councillor WILLIAM DAVIES.
<i>Vice-Chairman</i> -	Councillor E. J. ATYEO.

All Members of the Council

and the following Co-opted Members :

Mrs. B. JONES.	Mrs. G. GWYNNE.	Mrs. J. THORNTON.
Mrs. DAVIES, <i>Onllwyn</i> .	Mrs. B. MORGAN, <i>Melyncourt</i> .	

HOUSING COMMITTEE.

<i>Chairman</i> -	Councillor JOHN JAMES (C).
<i>Vice-Chairman</i> -	Councillor R. GEARY.

All Members of the Council.

WATER COMMITTEE.

<i>Chairman</i> -	Councillor R. G. NORMAN.
<i>Vice-Chairman</i> -	Councillor P. BOYLE.

All Members of the Council.

Public Health Officers

Medical Officer of Health :

J. GRIFFITHS, O.B.E., M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H. (Lond. and Eng.).

Medical Officer for Maternity and Child Welfare and Ante-Natal Centres :

J. GRIFFITHS, O.B.E., M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H. (Lond. and Eng.).

Obstetric and Gynaecological Consultant :

J. LLOYD DAVIES, M.D. (Lond.), M.R.C.P. (Lond.), F.R.C.S. (Edin.), D.P.H. (Lond. and Eng.).

Obstetric and Gynaecological Pathologist :

A. F. SLADDEN.

Sanitary Inspectors :

S. McNEIL, C.R.S.I.

C. G. STANFORD, C.R.S.I. & S.I.E.J.B.

T. HOWELL BEVAN, C.R.S.I. & S.I.E.J.B., R.S.I. Meat Cert. (In H.M. Forces).

PHILLIP LEWIS, C.R.S.I.

Health Visitors :

G. H. JAMES, Registered State Nurse, C.M.B., Cert. H.V.Cert. (R.S.I.).

O. LEWIS, C.M.B., Cert. H.V. Cert. (R.S.I.).

E. EDWARDS, Registered State Nurse, C.M.B. Cert., New H.V. Cert. (R.S.I.).

Clerks :

Miss CLARICE EVANS, B.A.

D. J. DAVIES.

Junior Clerk :

MARJORIE RAINBOW.

Neath Rural District Council.

PUBLIC HEALTH DEPARTMENT,

ORCHARD CHAMBERS,

NEATH.

To the Chairman and Members,

THE NEATH RURAL DISTRICT COUNCIL.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have pleasure in presenting to you my Annual Report for 1942, which is prepared on the lines suggested in Circulars 2067 (Wales), dated 19/7/40, and 2604 (Wales) dated 24/3/42.

In accordance with Circular 2604 (Wales), no information is given in this Report which would enable any local population figures to be reconstructed therefrom. One typewritten copy of a fuller Report is retained in my office.

The birth-rate is the highest recorded since 1927.

There is a slight increase in the still-birth rate over 1941, but with the exception of that year is the lowest since 1934, from which date records of such Rates have been kept.

The death-rate has decreased since 1941 and is practically the same as that for the country generally. The infantile mortality rate is the highest since 1933; particulars and details regarding same will be found in the appropriate part of the Report.

I wish to thank the Treasurer and the Engineer for information supplied for the purpose of compiling this Report.

I have the honour to be,

Ladies and Gentlemen,

Your obedient servant,

J. GRIFFITHS,

Medical Officer of Health.

REPORT.

I — STATISTICS AND SOCIAL CONDITIONS OF THE AREA

(a) **Area**—The acreage of the Rural District (including land and inland water) is 52,039 acres. The acreage of the various Parishes has been supplied in previous Annual Reports.

(b) **Rateable Value and Sum represented by a Penny Rate :—**

(1) Total Rateable Value	£139,168.	0s.	0d.
(2) Produce of a Penny Rate—General Rate Purposes	£513.	3s.	11d.

(c) **Extracts from Vital Statistics of the Year**

LIVE } BIRTHS }	Birth-rate per 1,000 of the estimated resident population	17.7
STILL- } BIRTHS }	Still-birth rate per 1,000 total (Live and Still) births	37.1
DEATHS	Death-rate per 1,000 of the estimated resident population	11.7

Maternal Deaths

	<i>Rate per 1,000 Total (Live and Still) Births.</i>
(i) Puerperal and Post-abortion Sepsis	0.00
(ii) Other Maternal Causes	2.75
(iii) Total	2.75

Death-rate of Infants under one year of age :—

All Infants per 1,000 live births	73
Legitimate Infants per 1,000 legitimate live births	72
Illegitimate Infants per 1,000 illegitimate live births	100

Births—The proportion of male to female births is as 1,000 is to 959.

The Birth-rate since 1933 for the Neath Rural District Area is shown in the following Table :—

<i>Year.</i>	<i>Birth Rate.</i>
1933	15.7
1934	17.5
1935	15.4
1936	15.9
1937	16.0
1938	15.9
1939	15.3
1940	17.0
1941	16.4
1942	17.7

Still-births—The Still-birth rate since 1934 for the Neath Rural District is shown in the following Table :—

<i>Year.</i>	<i>Still-birth Rate.</i>
1934	64.5
1935	58.8
1936	50.4
1937	55.8
1938	44.5
1939	54.6
1940	42.4
1941	36.4
1942	37.1

	<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Deaths from Cancer (all ages)	60	34	26

(i) **Age Distribution of Cancer Deaths**

<i>Age Distribution.</i>	<i>Males.</i>	<i>Females.</i>
0—25 years	0	0
25—35	0	2
35—45	3	2
45—55	0	5
55—65	7	8
65 and upwards	24	9
Total	34	26

Deaths—Deaths corresponded to a death rate of 11.7 per 1,000 of the population.

The percentage of deaths at different age periods is given below :—

<i>Age Period.</i>	<i>Death Percentage.</i>
0—1 year	11.1
1—2 years	1.3
2—5 years	1.5
5—15 years	1.5
15—25 years	4.6
25—45 years	10.2
45—65 years	26.2
65 years and upwards	43.6

The District Coroner held inquests on 53 of the total deaths during the year.

Transferable Deaths—120 deaths occurred outside the District, i.e. being persons belonging to this District, and which are included in the total number of deaths. 12 deaths occurred within the District among persons belonging to other Districts. These have been transferred to the Districts concerned, and are not included in the number of deaths for the area.

The Death-rates since 1933 for the District are shown in the following Table :—

<i>Year.</i>	<i>Death-rate.</i>
1933	11.3
1934	11.0
1935	10.7
1936	11.1
1937	11.3
1938	11.2
1939	12.0
1940	11.4
1941	12.7
1942	11.7

Seasonable Death-rate—The following Table gives the Death-rate for each quarter of the year :—

	<i>Death-rate.</i>
First Quarter	13.8
Second Quarter	11.4
Third Quarter	9.0
Fourth Quarter	12.4

Infantile Mortality—The Infantile Mortality rate was 73 per 1,000 Live Births.

The infantile mortality rates in legitimate and illegitimate infants were 72 and 100 respectively.

The following Table gives the infant mortality rate for each year since 1933 :—

<i>Year.</i>	<i>Rate per 1,000 Births.</i>
1933	79
1934	63
1935	53
1936	69
1937	64
1938	70
1939	65
1940	48
1941	71
1942	73

In 48 per cent. of the infant deaths, the infants did not live for a period of more than 4 days and death was due to Congenital Malformations and Prematurity. Of the remaining deaths a further 12 per cent. were due also to Congenital Malformations and Prematurity. In the remaining 40 per cent. death was due to the following causes :—

<i>Cause.</i>	<i>Percentage.</i>
(a) Convulsions with Pneumonia	4%
(b) Heart Failure with Pneumonia	2%
(c) Heart Failure with Bronchitis	6%
(d) Convulsions with Heart Failure	2%
(e) Heart Failure with Pertussis	4%
(f) Heart Failure with Gastro Enteritis	6%
(g) Broncho Pneumonia	8%
(h) Acute Bronchitis	4%
(i) Morasmus	2%
(j) Buccal Cellulitis	2%

Comparative Table of Birth-rate, Death-rate and Infant Mortality rate of Urban and Rural Districts within the County of Glamorgan :—

DISTRICT.	<i>Birth-rate per 1,000 population.</i>	<i>Crude Death- rate per 1,000 population.</i>	<i>Infant Mortality rate per 1,000 live births.</i>
Administrative County	18.2	12.1	55
Urban Districts	18.5	12.5	56
Rural Districts	17.6	10.9	53
England & Wales	15.8	11.6	49
Neath Rural	17.7	11.7	73

Principal Epidemic Diseases Death-rate (since 1933) for the Neath Rural District (Glamorgan) are shown in the following Table :—

<i>Year.</i>	<i>Zymotic Diseases. Death-rate.</i>
1933	0.39
1934	0.27
1935	0.17
1936	0.29
1937	0.17
1938	0.19
1939	0.19
1940	0.22
1941	0.27
1942	0.20

Diarrhoea and Enteritis (under two years), Death-rates per 1,000 Births (since 1933) for the Neath Rural District (Glamorgan) are shown in the following Table :—

<i>Year.</i>	<i>Death-rate per 1,000 Births.</i>
1933	3.14
1934	5.63
1935	4.80
1936	4.68
1937	1.55
1938	1.55
1939	0.00
1940	5.83
1941	4.43
1942	4.27

Sickness and Invalidity —No sickness or invalidity of note occurred in the District during the year, apart from infectious diseases referred to in the latter part of this report and silicosis which takes its annual toll amongst miners. During 1942, eleven deaths were certified as due to Silicosis.

II—GENERAL PROVISION OF HEALTH SERVICES IN THE AREA

(1) **Public Health Officers of the Authority** —Diplomas and Certificates of Medical Nursing and Sanitary Officers of the Authority are given at the beginning of this Report.

(2) There have been no developments or changes in the services provided in the area that come under the following heads :—

- (a) Laboratory Facilities.
- (b) Ambulance Facilities.
- (c) Nursing in the Home.
- (d) Treatment Centres and Clinics, including Clinics used solely for Diagnosis or Consultation.
- (e) Hospital : Public and Voluntary.

The existing Centres and particulars regarding same are given below :—

Name.	Situation.	Nature of Accommodation.	By whom provided.	Purposes for which used.
Glynneath	Infant Welfare Centre, Addoldy Road	Pram Shelter. Waiting Room. Disrobing and Weighing Room. Medical Officer's Room. Nurses' Room. Testing Room. Kitchen. Lavatories, etc., for Staff and Patients.	Neath Rural District Council.	Infant Welfare and Ante-Natal Clinics.
Seven Sisters	Infant Welfare Centre, Mary Street	do.	do.	do.
Skewen	Infant Welfare Centre, Cefn Park	do.	do.	Now used as a First Aid Post
Resolven	Miners' Welfare Hall	Two Rooms	do.	Infant Welfare Clinic.
Aberdulais	Baptist Chapel Vestry	Two Rooms	do.	do.
Efail Fach	"Y Gangen Chapel"	One Room (<i>partitioned</i>)	do.	do.
Onllwyn	Miners' Welfare Hall	Three Rooms	do.	do.
Skewen	United Methodist Vestry	Two Rooms	do.	do.
Neath	15, Orchard Street	Three Rooms	do.	Ante-Natal Clinic.

The following Table gives details of the attendances at each Centre during the year :—

CENTRE.	Total Attendances.		First Visits.		Number who attended during the year and who at the end of the year were :—	
	Children under One year.	Children One to Five years.	Children under One year.	Children One to Five years.	Children under One year.	Children One to Five years.
Skewen	348	174	74	91	60	189
Seven Sisters	398	215	75	50	69	225
Pontrhydyfen	152	94	27	12	25	85
Aberdulais	269	141	54	42	43	140
Resolven	276	155	63	24	44	145
Glyn Neath	494	324	93	53	86	284
Onllwyn	142	69	28	11	24	85
TOTALS	2077	1172	414	283	351	1153

Ante-Natal Centres—Monthly sessions are held at each of the following Centres :—

- (1) Clinic, Addoldy Road, Glyn Neath.
- (2) Clinic, Mary Street, Seven Sisters.
- (3) Clinic, Cefn Parc, Skewen.
- (4) Health Dept., 15, Orchard Street, Neath.

The total attendances at these Centres during the year were :—

- (a) Total number of Expectant Mothers who attended 230
- (b) Total number of attendances by Expectant Mothers 408

The number of Maternity Cases admitted to the West Glamorgan County Hospital, Penrhiwtyn, Neath, during the year amounted to 43.

Other Facilities under Maternity and Child Welfare Schemes

Treatment of tonsils and adenoids, dental and ophthalmic cases is carried out by the appropriate officers of the Glamorgan County Council under arrangements made between this Council and the County Council, a scale of charges being fixed between the two authorities.

The following cases were treated during the year :—

Tonsils and Adenoids	10
Eye Treatment	0
Dental Treatment :—	
(a) Expectant Mothers	34
(b) Children	5

Cod Liver Oil

During the year Cod Liver Oil was given in 73 instances ; the total number of bottles supplied amounting to 102, the cost of which was £10. 6s. 5d.

Hospitals

There are no public or voluntary hospitals within the area of the Council but provision is made by the Council for the admission of Maternity cases for institutional treatment to the West Glamorgan County Hospital by arrangement with the Glamorgan County Council, a maintenance fee of six shillings per case per day being charged.

Inasmuch as this Hospital serves a population of approximately 170,000 it is not possible to admit all those cases where it is desirable that they should be admitted. Furthermore, owing to overcrowding in the area, many women live in conditions where it is entirely unsuitable and inconvenient for them to be confined at their homes, but owing to the lack of Hospital accommodation for these cases, the confinement has, in many instances, to take place in these homes. Until such time as there is additional accommodation and beds for maternity cases these conditions will continue to prevail.

I would also point out that there is no provision for Puerperal cases in this Hospital.

All infectious cases are removed to the Tonna Isolation Hospital which is jointly owned by the Neath Rural District and Borough of Neath.

No developments or changes occurred in the services provided under the following headings :—

- (a) Midwifery Service (Glamorgan County Council, Supervising Authority).
- (b) Maternity Services.
- (c) Institutional provision for mothers or children.

Health Visitors

There are three Health Visitors employed by the Council and the following is a summary of the work done by them during the year :—

Visits to Expectant Mothers :—	
First Visits, 254.	Total Visits, 332.
Visits to Children under 1 year of age :—	
	Total Visits, 1,393.
Visits to Children 1 to 5 years :—	
	Total Visits, 1,742.
Visits to Ophthalmic Neonatorum cases and miscellaneous Visits	292
Visits to Tubercular Cases	105
GRAND TOTAL VISITS	3864

Child Life Protection

There were no persons in the area receiving children for reward at the end of the year.

III—SANITARY CIRCUMSTANCES OF THE AREA

(1) **Water**—The main water supply of the area is the Ystradfellte Water Scheme. A portion of the Parish of Rhigos is supplied from the Llynfawr Reservoir which belongs to the Rhondda Urban District Council.

During the year a water chlorination plant was installed at Ystradfellte Reservoir.

Rainfall

The following monthly rainfall was recorded at Ystradfellte Reservoir during the year 1942 :—

January	7.32 inches.
February	1.10 "
March	5.04 "
April	3.30 "
May	9.32 "
June	.37 "
July	8.45 "
August	7.90 "
September	6.31 "
October	7.18 "
November	1.58 "
December	11.91 "

The following are results of water analyses during the year :—

No.	Source.	Bacteriological Examination.	Chemical Examination.
1	Tap, 11, Smith's Avenue, Rhigos	Doubtful Purity.	—
2	Tap, 1, Heolnedd, Cwmgwrach	Satisfactory.	—
3	Piped Mountain Spring, Ynysygerwn	Fairly Satisfactory.	—
4	Ynysygerwn House, Aberdulais	—	Satisfactory.
5	Tap over sink, Draumman Supply	Satisfactory.	—
6	Tap, Llynfawr Reservoir	Satisfactory.	—
7	Tap, 3, Penywern Cottages, Neath	Satisfactory.	—
8	Brook, Mountain Stream, Garth, Tonmawr	Moderate Purity	—
9	Steam, Mountain Springs, Tonmawr	Doubtful Purity.	—
10	Garth, Tonmawr	—	Moderate Purity.
11	Tap, Bakehouse, Skewen	Satisfactory.	—
12	Tap, Marshfield House, Aberdulais	Doubtful Purity.	—
13	Tap, Coedffranc Dairy, Skewen	Doubtful Purity.	—
14	Supply Tap from Ystradfellte Reservoir	Satisfactory.	—
15	Tap, Smith's Avenue, Rhigos	Satisfactory.	—
16	Tap, The Square, Crynant	Satisfactory.	—
17	Tap, Mill Terrace, Cwmgwrach	Satisfactory.	—
18	Tap, Coedffranc Dairy, Skewen	Satisfactory.	—
19	Tap, Green Dragon, Cadoxton, Neath	Satisfactory.	—
20	Tap, 1, High Street, Skewen	Satisfactory.	—
21	Tap, Drumman Road, Skewen	Satisfactory.	—
22	Tap, Rheola Works, Resolven	Satisfactory.	—
23	Tap, 17, John's Terrace, Tonmawr	Satisfactory.	—
24	Tap, Rheola House, Resolven	Satisfactory.	—
25	Spring, Gelli Gron, Uchaf, Crynant	Fairly Satisfactory.	—
26	Spring, Gelli Gron, Crynant	—	Fairly Good.
27	Tap, Marshfield House, Aberdulais	Satisfactory.	—
28	Tap, Metalclad Works, Resolven	Satisfactory.	—
29	Tap, Goodfield House, Banwen	Satisfactory.	—

The following Table gives the percentage of houses on the various water supplies in the area :—

DISTRICT.	Ystrad-fellte Water Scheme.	Llynfawr Reservoir.	Mr. Bevan's Private	Neath Borough Reservoir	Springs, Wells, etc.	Without Water Supply
DULAIS VALLEY— Comprising of Dulais Higher and Dulais Lower	94.1	0.0	1.3	0.0	4.6	0.0
NEATH VALLEY—(Non-Tidal Portion)— Comprising of Rhigos, Neath Higher, Blaengwrach, Resolven, Neath Lower and Clyne	86.3	8.3	0.0	0.0	5.3	0.1
NEATH VALLEY—(Tidal Portion)— Comprising of Tonna, Blaenhonddan, Dyffryn Clydach and Coedffranc	96.91	0.0	0.0	0.1	2.97	0.02
AFAN VALLEY— Comprising of Baglan Higher and Michaelstone Higher	94.6	0.0	0.0	0.0	5.6	0.0
TOTALS—N.R.D.C.	93.04	2.53	0.23	0.04	4.12	0.05

(2) **Rivers and Streams**—With the exception of the depositing of small coal into the rivers from the various collieries in the area, a practice which has continued for some years, there was no evidence of any other pollution of rivers and streams during the year.

(3) **Closet Accommodation**—There were no conversions to the water-carriage system during the year. 18 Duckett Closets were converted to modern wash-down closets.

The following are the results of analyses of Sewage and Sewage Effluent for 1942 :—

<i>Date Collected.</i>	<i>Description of Sample.</i>	<i>Organic Suspended Matter.</i>	<i>Organic Ammonia.</i>	<i>Putrescibility.</i>	<i>Dissolved Oxygen Consumed.</i>	<i>Nitrogen as Nitrates.</i>	<i>Remarks.</i>
21/1/42	Crude Sewage, Glynneath Effluent, Glynneath	Moderate Amount Small Amount	.06	Nil	1.20	1.00	Efficient.
21/1/42	Crude Sewage, Crynant Effluent, Crynant	Fair Amount Small Amount	.04	Nil	1.15	.90	Efficient.
5/3/42	Crude Sewage, Resolven Effluent, Resolven	Fair Amount Fair Amount	.32	Nil	4.17	.64	Moderate.
5/3/42	Crude Sewage, Crynant Effluent, Crynant	Fair Amount Trace	.02	Nil	.75	.80	Efficient.
30/3/42	Crude Sewage, Glynneath Effluent, Glynneath	Fair Amount	.30	Nil	7.13	.30	Moderate.
29/4/42	Crude Sewage, Glynneath Effluent, Glynneath	Moderate Amount Trace	.10	Nil	2.08	1.64	Efficient.
29/4/42	Crude Sewage, Resolven Effluent, Resolven	Moderate Amount	1.28	Nil	6.0	Nil	Unsatisfactory.
28/5/42	Crude Sewage, Glynneath Effluent, Glynneath	Moderate Amount Small Amount	.14	Nil	1.28	.53	Efficient.
28/5/42	Crude Sewage, Crynant Effluent, Crynant	Small Amount Trace	.02	Nil	.31	.37	Efficient.
3/6/42	Crude Sewage, Resolven Effluent, Resolven	Moderate Amount Small Amount	.11	Nil	1.79	1.68	Fairly Efficient.
2/7/42	Crude Sewage, Crynant Effluent, Crynant	Moderate Amount	1.1	Nil	4.40	Practically Nil	Efficient.
2/7/42	Crude Sewage, Glynneath Effluent, Glynneath	Appreciable Amount	.10	Nil	2.47	.08	Fairly Efficient.
1/9/42	Crude Sewage, Crynant Effluent, Crynant	Small Amount Small Amount	.18	Nil	.32	.67	Satisfactory.
1/9/42	Crude Sewage, Resolven Effluent, Resolven	Large Amount Fair Amount	.28	Nil	2.0	Practically Nil	Inefficient.
10/12/42	Crude Sewage, Crynant Effluent, Crynant	Small Amount Trace	.056	Nil	.13	.88	Satisfactory.
10/12/42	Crude Sewage, Resolven Effluent, Resolven	Fair Amount Fair Amount	.27	Nil	7.5	.32	Inefficient.

The following Table gives the percentages of the sanitary circumstances of the houses in the area :—

PARISH	Water Carriage System to Sewer	Water Carriage System to Cesspool & disused Pits	Water Carriage System to Rivers & Streams	Slop Water System only to Cesspool & Water Course	Houses without Drains	Pails	Privies	Houses without Closet accommodation
DULAIS VALLEY— Comprising Dulais Higher and Dulais Lower	94.18	0.80	0.00	3.15	1.87	4.01	1.0	0.010
NON-TIDAL PORTION OF NEATH VALLEY— Comprising Rhigos, Neath Higher, Blaengwrach, Resolven, Neath Lower and Clyne	68.70	2.52	0.13	22.80	5.85	25.66	2.73	0.26
TIDAL PORTION OF NEATH VALLEY— Comprising Tonna, Blaenhonddan, Duffryn Clydach and Coedffranc	91.47	2.05	0.02	4.30	2.16	5.01	1.23	0.22
AFAN VALLEY— Comprising Baglan Higher and Michaelstone Higher	58.78	2.29	0.00	34.10	4.83	34.10	4.58	0.25
TOTALS—N.R.D.C.	83.64	1.97	0.05	10.99	3.35	12.36	1.79	0.19

(4) **Public Cleansing**—Only in the Parish of Coedffranc was scavenging carried out by direct labour during the year. In all other Parishes scavenging was done by Contract, a method, which I have pointed out each year, leaves much to be desired both in the manner of collection and also the dumping of refuse. Dumps in general, and particularly at Glyn Neath and Cwmgwrach are unsightly and a nuisance. Not until such time as Scavenging through out the area is done directly by the Council and refuse dumps are properly controlled, can improvement be hoped for. During the early part of 1943, a step in the right direction was taken by introducing direct scavenging into the Parishes of Neath Higher and Blaengwrach, and it is to be hoped that in this area much improvement will be seen.

(5) Sanitary Inspection of the Area

(a) The number and nature of inspections made during the year are given below :—

<i>Nature of Visits.</i>	<i>No.</i>	<i>Nature of Visits.</i>	<i>No.</i>
Re Cases of Infectious Diseases	250	To Provision, Butchers, Fish and Fruit Shops	1,684
General District Inspection	631	„ Scavenging Dumps	282
To Factories	45	„ Slaughter Houses	667
„ Common Lodging Houses	9	„ Public Houses	116
„ Workshops and Bakehouses	139	„ Urinals	265
„ Picture Halls	39	„ Visits to Owners <i>re</i> Notices	47
„ Barber Shops	60	Re Rats and Mice	38
„ Dairies, Cowsheds & Milkshops	375		
„ Stables	156		
„ Piggeries	320	TOTAL	5,123

<i>Nature of Defects.</i>	<i>No. of Defects.</i>
Dwellings	
Defective walls, floors, troughing, ventilation, lighting, etc.	35
Pantries	6
Want of Cleanliness	7
Dampness	14
Drains	
New Drains	18
Defective traps, gullies, etc.	14
Choked or foul drains	9
Yards	
Defective and Unpaved	9
Neglect of Cleanliness	2
Other nuisances in yards	3
Closets	
New Pail Closets	4
Disrepair	5
New Pails Provided	8
Neglect of Cleanliness	4
Conversion of Privies into Pail Closets	2

<i>Nature of Defects.</i>		<i>Defects. No. of</i>
Water-Closets	Conversion of Privies and Pail Closets to Water Closets	18
	Defective Structure and Fittings	14
	New Pans provided	5
	Choked or Foul	10
	New Flushing Arrangements	7
	Repair of Flushing Arrangements	31
	Provision of New ones	18
Wash-ups	Provision of new Wash-ups	0
	Defective traps, connections, etc.	2
Baths	Defective traps, connections, etc.	2
Cesspools	Foul or defective	4
Vent-Shafts	New ones provided	3
	Defective Shafts repaired	4
Stables, Cowsheds and Piggeries, etc.	Defective Structure	3
	To remove manure	11
Factories, Workshops and Bakehouses		9
Provision, Butcher, Fish and Fruit, Dairies, Milk-Shops and Ice-cream Shops		2
Barber Shops		0
Picture Halls		1
Rats and Mice		38
Urinals		10
Refuse Removal		84
TOTAL		416

(b) Number of Notices served

(1) Informal	246
(2) Statutory	13

TOTAL 259

(c) Result of the Service of above Notices :—(1) Informal Notices complied with

(2) Statutory Notices complied with	10
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TOTAL 211

(6) Eradication of Bed-bugs**(1) Houses Disinfested :—**

(a) Council Houses	10
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Disinfestation of vermin infested houses is carried out by the Sanitary Inspectors, infested premises being sprayed with "Pyagra" or "Zaldecial" after removal of woodwork such as picture rails, skirting boards, floor boards, etc. Household effects are similarly treated with the preparation shown above.

(7) Schools—The sanitary conditions and water supply of Schools within the District are as follows :—

<i>School.</i>	<i>Source of Water.</i>	<i>Closet Accommodation.</i>
Aberdulais—Mixed	Ystradfellte Water Supply.	Water Carriage system to Sewer.
Aberdulais—Infants	do.	do.
Blaengwrach—Mixed	do.	do.
Blaengwrach—Infants	do.	do.
Bryncoch—Mixed	do.	do.
Bryncoch—Infants	do.	do.
Bryncoch (Non-provided)—Mixed & Infants	do.	do.
Cadoxton—Junior	do.	do.
Cadoxton—Senior	do.	do.
Cilfrew—Junior	do.	do.
Coedffranc—Boys	do.	do.
Coedffranc—Girls	do.	do.
Coedffranc—Infants	do.	do.
Skewen Lower—Boys	do.	do.
Skewen Lower—Girls	do.	do.
Clyne—Mixed	do.	Water-carriage system to Cesspool.
Clyne—Infants	do.	do.
Crynant—Mixed	do.	Water-carriage system to Sewer.
Crynant—Infants	do.	do.
Glyn Neath—Boys	do.	do.

Glyn Neath—Girls	Ystradfellte Water Supply.	Water-carriage system to Sewer.
Glyn Neath—Infants	do.	do.
Jersey Marine—Mixed	do.	do.
Jersey Marine—Infants	do.	do.
Maesmarchog—Mixed	do.	do.
Maesmarchog—Infants	do.	do.
Neath Abbey—Infants	do.	do.
Onllwyn—Mixed	do.	do.
Onllwyn—Infants	do.	do.
Resolven—Boys	do.	do.
Resolven—Girls	do.	do.
Resolven—Infants	do.	do.
Rhigos—Mixed	Llynfawr Reservoir	Pail Closet.
Rhigos—Infants	do.	do.
Seven Sisters—Boys	Ystradfellte Water Supply.	Water-carriage system to Sewer.
Seven Sisters—Girls	do.	do.
Seven Sisters—Infants	do.	do.
Tonna—Mixed	do.	do.
Tonna—Infants	do.	do.
Tonmawr—Mixed	do.	Pail Closet.
Tonmawr—Infants	do.	do.

IV—HOUSING

(I) Housing Schemes

During the year no new houses were constructed in the Council's area. Since 1918 the Council have constructed 800 houses in the area.

(2) Inspection of Dwelling Houses During the Year

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	332
(b) Number of inspections made for the purpose	414

(3) Remedy of Defects During the Year Without Service of Formal Notice

(a) Number of defective dwelling houses rendered fit in consequence of informal action by local authority or their officers	82
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(4) Action under Statutory Powers During the Year

A.—Proceedings under Sections 93, Public Health Act, 1936 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	13
(2) Number of dwelling-houses which were rendered fit after service of formal notice	10

(5) Overcrowding

No accurate figures are available which serve to give a picture of overcrowding in the area, but it can be assumed that the position is worse than it was in December, 1940, when there were 297 cases of known overcrowding for which 190 houses were needed to abate such overcrowding.

V—INSPECTION AND SUPERVISION OF FOOD

(a) **Milk Supply**—375 visits were paid to farms and dairies during the year. The registered number of milk producers in the area is 141 and the registered number of milk vendors who are retailers only is 24. One retailer is licensed to produce Pasteurised milk and to sell Tuberculin Tested milk, while four other retailers are licensed to sell Pasteurised milk within the area, the milk having been Pasteurised outside the area.

Of the samples taken during the year, four were below standard. In each case the producer was interviewed and instructed in cleaner methods of production.

(b) **Meat and Other Foods**—There is one slaughterhouse in the area which has been taken over by the Ministry of Food, namely, Court Herbert Slaughterhouse, near Neath. Most of the meat thereat is exported to other parts of the country, chiefly for manufacturing purposes. It will be seen from the figures given below that a large amount of meat has been surrendered as unfit during the year. This may be attributed to the fact that a large number of the cows brought for slaughter are old milch cows that have been rejected at the Marts. They are in many instances badly emaciated and oedematous. Very few prime cattle are killed at this slaughterhouse, so therefore the percentage of unfit meat is high.

The following number of Cattle, etc., were slaughtered and examined during the year :—

Slaughterhouse.	Bovines.				Sheep & Lambs.		Pigs.		Calves.	
	Cows.		Other Bovines.		Sl.	Ex.	Sl.	Ex.	Sl.	Ex.
	Sl.	Ex.	Sl.	Ex.						
COURT HERBERT, NEATH	1,127	1,127	15	15	1,463	1,463	363	363	23,266	23,266

The following were surrendered at the Slaughterhouse :—

Carcases :—

Bovines.						Sheep and Lambs.	Pigs.	Calves.		
Cows.			Other Bovines.							
T.B.	T.B. with other Causes	Other Causes.	T.B.	T.B. with Other Causes	Other Causes.	Other Causes.	T.B.	Other Causes.	T.B.	Other auses.
78	38	79	1	0	0	4	5	0	18	67

Heads :—

Bovines.		Pigs.	
T.B.	Other Causes.	T.B.	Other Causes.
45	4	51	0

Portions of Carcases :—

4 Cow Forequarters	T.B.
1 Cow Forequarter	Bruised.
2 Cow Hindquarters	T.B.
2 Cow Hindquarters	Bruised.
3 Cow Loins	Bruised.
1 Cow Rib, Pin and Loin	Bruised and Abscess.
1 Flank of Cow Hindquarter	Bruised.
1 Portion of Leg of Heifer	Broken and Bruised.
1 Portion of Shoulder of Veal	Bruised.
2 Lamb Legs	Bruised.
1 Sow Breast	Abscess.

Edible Offal :—

706 Bovine Livers	Parasitic, T.B., etc.
311 Pair Bovine Lungs	Parasitic, T.B., etc.
15 Cow Kidneys	Nephritis, etc.
7 Cow Hearts	Pericarditis, etc.
19 Sets Cow Intestines	T.B.
102 Calf Plucks	Abscesses, Melanosis, etc.
8 Calf Lung	Melanosis, etc.
7 Calf Livers	Melanosis, etc.
8 Calf Heads	Abscesses.
119 Sheep and Lamb Livers	Parasitic.
55 Sheep and Lamb Lungs	Parasitic.
9 Sheep and Lamb Plucks	Parasitic.
1 Sheep Head	Injury.
19 Swine Plucks	T.B. and Parasitic, etc.
16 Swine Livers	Cirrhotic, Parasitic, etc.
9 Pair Swine Lungs	Cirrhotic, Parasitic, etc.
20 Set Swine Intestines and Stomachs	T.B.

TOTAL WEIGHT CONDEMNED—

(a) From Tuberculosis and Tuberculosis with Other Conditions	60,227 lbs.
(b) From Other Causes	49,289 lbs.

TOTAL 109,516 lbs.

= 48 Tons, 17 Cwts., 92 lbs.

The following foodstuffs were surrendered at various Shops and Depots in the area :—

843	Tins (various sizes) Fish (Pilchards, Salmon, Sardines).
150	Tins (various sizes) Milk.
83	Tins (6 lb. size) Meat (Corned Beef, Luncheon Meats, etc.).
1	Tin (12 lb. size) Pork Luncheon Meat.
122	Tins (various sizes) Meat (Luncheon Meats, Chopped Ham, Prem, etc., etc.).
42	Tons (various sizes) Tomatoes.
36	Tins (various sizes) Beans.
24	Tins (various sizes) Fruit (Apples, Pears, Plums, etc.).
24	Tins (various sizes) Peas.
7	Tins (various sizes) Vegetables (Carrots, etc.).
3	Tins Soup.
3	Tins Spaghetti.
6	Jars Mixed Pickle.
2	Tins Syrup.
603½	lbs. American and Cheddar Cheese.
1	Cwt. Rolled Oats.
35	lbs. Imported Meat.
25	lbs. Pork Sausage.
76	lbs. Bacon.
154	Gallons Milk.

VI.—PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

During the year there was an increase in the number of notifications as compared with 1941 in respect of Scarlet Fever and Diphtheria.

The following is a comparison of the number of cases of Infectious Diseases notified during 1941 and 1942 :—

Year.	Scarlet Fever.	Diphtheria	Cerebro-Spinal Fever.	Whooping Cough.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Erysipelas.	Pneumonia	Measles.	Enteric Fever
1941	38	99	23	83	7	2	6	90	700	1
1942	132	106	8	70	5	2	5	48	037	0

As will be seen from the above the most appreciable decrease is in respect of Measles, there being a decrease of 330 cases compared with 1941.

Of the cases notified during 1942, the greatest number of Scarlet Fever cases occurred in the Dulais Valley, and in respect of Diphtheria, in the Parish of Neath Higher. 34 cases of Diphtheria were notified from this Parish, but 24 of these occurred in one place among a School of Blind and Deaf and Dumb children. With regard to this School I arranged with the Headmaster to obtain permission from the parents of the children to have them all immunised. This was done and each child admitted to the School since has also been immunised, with the result that no further cases have occurred thereat.

The greatest number of Measles occurred in the Parishes of Coedffranc, Tonna, Clyne and Resolven.

A Table below gives the Parish distribution of all cases of Infectious Diseases notified during the year.

The following Table shows the results of examinations of specimens sent to the two laboratories during the year :—

Nature of Specimen.	Number Examined.	Results.	
		Positive.	Negative.
Swab ? Diphtheria	573	38	535
Sputum ? T.B.	3	0	3
Blood ? Enteric	1	0	1

Smallpox.—There was no case during the year.

Scarlet Fever—132 cases were notified during the year, chiefly of a mild nature. There were no deaths.

Diphtheria.—106 cases were notified compared with 99 the previous year. The death rate was 0.02 per 1,000 of the population.

Puerperal Pyrexia—5 cases were notified during the year, one of these cases being removed to Hospital. There were no deaths.

Ophthalmia Neonatorum—2 cases were notified during the year. Both were treated at home and in neither case was there any impairment of vision.

Erysipelas—5 cases were notified as compared with 6 the previous year.

Pneumonia—48 cases were notified as compared with 90 the previous year. The death-rate was 0.55 per 1,000 of the population.

Measles—370 cases were notified as compared with 700 the previous year. There were no deaths.

Whooping Cough—70 cases were notified as compared with 83 the previous year. The death-rate was 0.10 per 1,000 of the population.

Cerebro-Spinal Fever—8 cases were notified during the year as compared with 23 the previous year. The death-rate was 0.02 per 1,000 of the population.

Tuberculosis—There were 57 Pulmonary and 24 Non-Pulmonary cases notified during the year as compared with 56 Pulmonary and 29 Non-Pulmonary for the previous year.

During the year there were 21 deaths from Pulmonary and 5 from Non-Pulmonary Tuberculosis as compared with 21 from Pulmonary and 11 from Non-Pulmonary during the previous year.

Diseases.	Total Cases Notified.	Cases admitted to Hospital.
Smallpox	0	0
Scarlet Fever	132	125
Diphtheria	106	105
Enteric Fever (including Paratyphoid)	0	0
Puerperal Pyrexia	5	1
Pneumonia	48	0
Erysipelas	5	0
Cerebro-Spinal Fever	8	8
Ophthalmia Neonatorum	2	0
Whooping Cough	70	0
Measles	370	0

The Table below shows the age distribution of notified infectious diseases:—

Diseases.	All Ages	Under 1 year	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65.& over
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet Fever	132	0	2	7	9	8	74	23	4	5	0	0	0
Diphtheria	106	1	0	2	3	3	38	24	12	18	5	0	0
Enteric Fever	0	0	0	0	0	0	0	0	0	0	0	0	0
Puerperal Pyrexia	5	—	—	—	—	—	—	—	0	4	1	—	—
Pneumonia	48	2	4	2	1	1	4	8	2	5	2	11	6
Erysipelas	5	0	0	0	0	1	0	0	0	1	1	2	0
Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0
Ophthalmia Neonatorum	2	2	0	0	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	8	0	0	1	1	0	2	0	1	0	1	2	0
Whooping Cough	70	7	7	7	11	14	21	2	0	0	0	0	1
Measles	370	2	24	39	42	82	159	11	1	1	0	0	0
Encephalitis Lethargica	0	0	0	0	0	0	0	0	0	0	0	0	0

Ophthalmia Neonatorum

	Cases.		Vision Unimpaired.	Vision Impaired.	Total Blindness.	Total Deaths.
Notified.	Treated.					
	At Home.	Hospital.				
2	2	—	2	—	—	—

Diphtheria Immunisation

During 1942 the work of Diphtheria Immunisation continued and the following Table shows the position on 31st December, 1941 and 1942 :—

	1941		1942	
	1—5 Years.	5—15 Years.	1—5 Years.	5—15 Years.
Percentage Immunised	18.2%	63%	41.4%	78.4%

It will be seen that there is a definite improvement in the position in 1942 as compared with 1941, but before it can be said that a satisfactory position has been arrived at it will be necessary for a greater number of children in the 1—5 years group to be immunised.

The work is being continued during 1943, and during the first six months the following numbers have been immunised :—

1—5 years	237
5—15 years	468

Of the 106 cases of Diphtheria notified during the year, 15 had been previously immunised, the following being the dates of inoculation and probable date of infection in each case :—

No.	Dates of Inoculation.	Probable Date of Infection.
1	6/2/41 and 6/3/41	9/3/42
2	23/4/41 and 11/6/41	28/12/41
3	23/4/41 and 11/6/41	14/3/42
4	7/2/41 and 2/4/41	26/3/42
5	2/4/41 and 25/6/41	17/5/42
6	30/4/41 and 19/6/41	5/6/42
7	30/4/41 and 19/6/41	21/6/42
8	5/3/41 and 21/4/41	17/12/42
9	16/7/42 and 10/9/42	2/12/42
10	16/2/41 and 17/3/41	Nov., 1942.
11	1940	7/9/42
12	5/3/41 and 7/4/41	29/8/42
13	30/4/41 and 18/6/41	29/8/42
14	7/5/41 and 16/6/41	30/7/42
15	15/2/41 and 4/4/41	21/8/42

Two other cases of notified Diphtheria had been immunised but these cases were later proved not to be Diphtheria. The 15 cases referred to above all recovered.

During the year there was no death of a child who had been previously immunised.

Scabies

During the latter half of the year provision was made for the treatment of Scabies at the First Aid Posts.

During this period 95 school children and adults were successfully treated. In addition, the Council Sick Bay was used for the treatment of cases of scabies and impetigo from the West Glamorgan area.

Tuberculosis

The following Table shows age and sex distribution of new cases of Tuberculosis and deaths from the disease during 1942 :—

Age Periods.	New Cases Notified.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
0—1 year	0	0	0	0	0	0	0	0
1—5 years	0	1	3	3	0	0	0	1
5—10 years	0	2	3	1	0	0	1	0
10—15 years	1	1	0	1	0	0	0	0
15—20 years	8	3	3	1	2	3	1	0
20—25 years	5	8	1	3	0	2	0	1
25—35 years	5	3	1	1	1	3	0	0
35—45 years	8	3	1	1	2	1	0	1
45—55 years	5	0	0	1	2	0	0	0
55—65 years	3	0	0	0	5	0	0	0
65 upwards	1	0	0	0	0	0	0	0
TOTALS	36	21	12	12	12	9	2	3

The ratio of non-notified Tuberculosis deaths to total Tuberculosis deaths is as 3 is to 26.

In two of these cases death occurred in Hospitals outside the area from T.B. Meningitis. In the remaining case, this was not notified inasmuch as a father and son of the same name suffered from the disease and the practitioner was of the opinion that both cases had been notified.

Infectious Diseases Incidence—Parish Distribution.

	Smallpox	Scarlet Fever	Diphtheria	Enteric Fever	Cerebro-spinal Fever	Whooping Cough	Puer-peral Pyrexia	Ophthalmia Neonatorum	Erysipelas	Pneumonia (all forms)	Measles	Encephalitis Letargica	Tuberculosis Pulmonary	Tuberculosis Non-Pulmonary
DULAIS VALLEY :														
Parish of Dulais Higher	0	51	19	0	2	3	1	0	0	2	20	0	6	2
Parish of Dulais Lower	0	11	5	0	0	0	0	0	0	1	23	0	0	0
TOTAL	0	62	24	0	2	3	1	0	0	3	43	0	6	2
NON-TIDAL PORTION OF NEATH VALLEY :														
Parish of Rhigos	0	4	2	0	0	8	0	1	1	1	2	0	2	1
Parish of Neath Higher	0	14	34	0	1	16	1	0	2	15	8	0	11	4
Parish of Blaengwrach	0	12	4	0	0	10	0	1	0	2	1	0	0	0
Parish of Resolven	0	12	5	0	1	2	0	0	0	2	43	0	10	3
Parish of Neath Lower	0	7	0	0	0	1	0	0	0	0	7	0	2	0
Parish of Clyne	0	0	0	0	0	0	0	0	0	1	46	0	2	0
TOTAL	0	49	45	0	2	37	1	2	3	21	107	0	27	28
TIDAL PORTION OF NEATH VALLEY :														
Parish of Tonna	0	2	5	0	0	0	0	0	0	0	70	0	2	1
Parish of Blaenhonddan	0	1	15	0	3	3	1	0	0	4	15	0	5	1
Parish of Dyffryn Clydach	0	0	3	0	0	6	1	0	0	4	31	0	3	0
Parish of Coedffrarc	0	11	13	0	0	20	1	0	2	16	104	0	12	12
TOTAL	0	14	36	0	3	29	3	0	2	24	220	0	22	14
AFAN VALLEY :														
Parish of Baglan Higher	0	4	1	0	0	0	0	0	0	0	0	0	1	0
Parish of Michaelstone Higher	0	3	0	0	1	1	0	0	0	0	0	0	1	0
TOTAL	0	7	1	0	1	1	0	0	0	0	0	0	2	0
TOTAL OF ALL PARISHES	0	132	106	0	8	70	5	2	5	48	370	0	57	24



